AUTHOR INDEX

ABECASIS, S. M., H. E. BOSCH and A. PLASTINO, Features of the Davydov model . **A129** (1969) 434
ABUL-MAGD, A. Y., Polarization on spin-$\frac{1}{2}$ particles elastically scattered by strongly absorbing targets **A129** (1969) 331
ABUL-MAGD, A. Y., The cluster structure of alpha-particle nuclei **A129** (1969) 610
BAER, H. W. and J. BARDWICK, Study of $N = 82$ nuclei in the reaction ^{142}Nd(d, ^{3}He)^{141}Pr **A129** (1969) 1
BÄHR, K., T. BECKER, R. JAHR and W. R. KUHLMANN, Sequential decay in the reactions ^{14}N(α, αp)^{13}C and ^{14}N(α, αd)^{12}C at $E_\alpha = 22.9$ MeV **A129** (1969) 388
BALASHOV, V. V., N. M. KABACHNIK and V. I. MARKOV, Quasi-elastic high-energy electron scattering on light nuclei **A129** (1969) 369
BANERJEE, B., *see* KHADKIKAR **A129** (1969) 220
BARDWICK, J., *see* BOER **A129** (1969) 1
BECKER, T., *see* BÄHR **A129** (1969) 388
BEG, K. and R. D. MACFARLANE, Alpha decay of the thermal neutron capture state of ^{156}Gd **A129** (1969) 571
BERINDE, A., *see* CHRISTENSEN **A129** (1969) 337
BOFFI, S. and F. D. PACATI, Two-nucleon transfer reactions and parity mixing in single-particle orbitals **A129** (1969) 673
BORMOT, O. V., *see* DOLINOV **A129** (1969) 577
BOSCH, H. E., *see* ABECASIS **A129** (1969) 434
BROWN, L., *see* PETITJEAN **A129** (1969) 209
BRUGE, G., A. BUSSIERE, H. FARAGGI, P. KOSSANYI-DEMAY, J. M. LOISEAUX, P. ROUSSEL and L. VALENTIN, Spectroscopy of the $N = 27$ doubly odd nuclei through the J-dependence of the (^{3}He, t) reaction **A129** (1969) 417
BRUSSAARD, P. J., *see* DIEPERINK **A129** (1969) 33
BÜSSER, F. W., H. DUBENKROPP, F. NIEBERGALL and K. SINRAM, Scattering of polarized neutrons by ^{3}He **A129** (1969) 666
BUSSIERE, A., *see* BRUGE **A129** (1969) 417
CHALAPATI RAO, K. V., *see* MUKHERJEE **A129** (1969) 535
CHRISTENSEN, P. R., A. BERINDE, I. NEAMU and N. SCINTEI, Elastic scattering of 12 MeV deuterons on even rare-earth nuclei **A129** (1969) 337
CIOFI DEGLI ATTI, C., Elastic scattering of high-energy electrons and correlation structure of light nuclei **A129** (1969) 350
CONJEAUD, M., S. HARAR et E. THURIERE, Réaction (d, ^{3}He) sur les isotopes doublement pair de l'étain **A129** (1969) 10
COX, R. J., *see* SINGH **A129** (1969) 104
DICKMANN, F. and DIETRICH, K., On a simple model explanation of shell effects in nuclear fission. **A129** (1969) 241
DIEPERINK, A. E. L. and P. J. BRUSSAARD, Core polarization effects on electromagnetic transition operators **A129** (1969) 33
DIETRICH, K., *see* DICKMANN **A129** (1969) 241
DOLINOV, V. K., YU. V. MELIKOV, A. F. TULINOV and O. V. BORMOT, The (α, 2α) reaction on ^{6}Li, ^{7}Li, ^{9}Be and ^{12}C (I). Experimental data **A129** (1969) 577
DOLINOV, V. K., D. V. MEBONIYA and A. F. TULINOV, The (α, 2α) reaction on ^{6}Li, ^{7}Li, ^{9}Be and ^{12}C (II). Theory **A129** (1969) 597
DRAAYER, J. P. and S. A. WILLIAMS, Coupling coefficients and matrix elements of arbitrary tensors in the Elliott projected angular momentum basis **A129** (1969) 647
DUBENKROPP, H., *see* BÜSSER **A129** (1969) 666
ELLEGAARD, C., J. KANTELE and P. VEDELSBY, Particle-vibration coupling in ^{209}Pb **A129** (1969) 113
FAESSLER, A., P. U. SAUER and H. H. WOLTER, Self-consistency and pairing as causes for the energy gap in the nuclei ^{56}Fe, ^{72}Ge, ^{78}Se **A129** (1969) 21

FARAGGI, H., *see* BRUGE **A129** (1969) 417

FOU, C. M. and R. W. ZURMÜHLE, ^{48}Ca(^{3}He, ^{3}He)^{48}Ca and ^{48}Ca(^{3}He, α)^{47}Ca reactions at 15 MeV **A129** (1969) 138

FOU, C. M., *see* ZURMÜHLE **A129** (1969) 502

FRASCARIA, R. *see* MORLET **A129** (1969) 177

FUCHS, H., K. GRABISCH and G. RÖSCHERT, Investigation of states in ^{40}Ca by the ^{39}K(d, n) reaction **A129** (1969) 545

GEOFFRION, B., *see* MORLET **A129** (1969) 177

GOMEZ-GIMENO, F., Approximation de la partie hors de la couche d'énergie de de la matrice t **A129** (1969) 615

GOODE, P. and L. ZAMICK, Transition rates in phonon-particle coupled nuclei. . **A129** (1969) 81

GORODETZKY, S., J. C. MERDINGER, N. SCHULZ et A. KNIPPER, Durées de vie dans ^{17}O, ^{39}K et ^{45}Ca par une technique de coïncidences particule-gamma **A129** (1969) 129

GRABISCH, K., *see* FUCHS **A129** (1969) 545

GROOTE, H. v. and E. HILF, Nuclear curvature energy from threshold energies . **A129** (1969) 513

GROSS, D., On a unified many-body theory of the DWBA and of the optical model **A129** (1969) 45

GURATZSCH, H., G. HOFMANN, H. MÜLLER and G. STILLER, A study of proton scattering on ^{12}C and ^{13}C at 7 MeV. **A129** (1969) 405

HANSÉN, J., *see* HOLMBERG **A129** (1969) 305

HARAR, S., *see* CONJEAUD **A129** (1969) 10

HILF, E., *see* GROOTE **A129** (1969) 513

HOFMANN, G., *see* GURATZSCH **A129** (1969) 405

HOLMBERG, M., The (n, 2n) cross section of ^{2}H in the energy region 4.05–6.5 MeV **A129** (1969) 327

HOLMBERG, M. and J. HANSÉN, The (n, 2n) cross section of ^{9}Be in the energy region 2.0–6.4 MeV **A129** (1969) 305

JAHR, R., *see* BÄHR **A129** (1969) 388

JAIN, B. K., Study of the approximations used in calculations on the (p, 2p) reaction **A129** (1969) 145

KABACHNIK, N. M., *see* BALASHOV **A129** (1969) 369

KAMMURI, T. and H. YOSHIDA, DWBA analysis of the heavy ion induced transfer reaction **A129** (1969) 625

KANTELE, J., *see* ELLEGAARD **A129** (1969) 113

KASCHL, G. TH., *see* WAGNER **A129** (1969) 469

KAVANAGH, R. W., Gamow-Teller β-decays and M1 γ-rays in $A = 4N+2$ nuclei **A129** (1969) 172

KELLER, G. E., E. F. ZGANJAR and J. J. PINAJIAN, Precision gamma-ray spectroscopy on the decay of ^{168}Tm **A129** (1969) 481

KHADKIKAR, S. B. and B. BANERJEE, Projected Hartree-Fock method and stretch scheme — energy levels of ^{44}Ti **A129** (1969) 220

KING, J. D., *see* SINGH **A129** (1969) 104

KNIPPER, A., *see* GORODETZKY **A129** (1969) 129

KOMURA, K., *see* MITO **A129** (1969) 165

KOSSANYI-DEMAY, P., *see* BRUGE **A129** (1969) 417

KRÄMER, R., *see* ROLFS **A129** (1969) 231

KUHLMANN, E., *see* ROLFS **A129** (1969) 231

KUHLMANN, W. R., *see* BÄHR **A129** (1969) 388

KUKOČ, A. H., *see* SINGH **A129** (1969) 104

L'HUILLIER, M., Corrections à l'approximation d'impulsion dans la réaction D(p, 2p)n à 155 MeV **A129** (1969) 196

LIM, T. K., The S′ state in the tri-nucleon and nucleon-transfer reactions **A129** (1969) 259

LOISEAUX, J. M., *see* BRUGE **A129** (1969) 417

MACFARLANE, R. D., *see* BEG **A129** (1969) 571

MAIRLE, G., *see* WAGNER **A129** (1969) 469

MARKOV, V. I., *see* BALASHOV **A129** (1969) 369

MARTY, N., *see* MORLET **A129** (1969) 177

MCGOWAN, F. K., *see* MILNER **A129** (1969) 687

MEBONIYA, D. V., *see* DOLINOV **A129** (1969) 597

MELIKOV, YU. V., *see* DOLINOV **A129** (1969) 577
MERDINGER, J. C., *see* GORODETZKY **A129** (1969) 129
MILNER, W. T., F. K. MCGOWAN, P. H. STELSON, R. L. ROBINSON and R. O. SAYER, Coulomb excitation of the even-*A* cadmium nuclei **A129** (1969) 687
MITO, A., K. KOMURA, T. MITSUGASHIRA and K. OTOZAI, Excitation functions for the (d, p) reactions on ^{96}Ru, ^{102}Ru and ^{104}Ru **A129** (1969) 165
MITSUGASHIRA, T., *see* MITO **A129** (1969) 165
MORLET, M., R. FRASCARIA, B. GEOFFRION, N. MARTY, B. TATISCHEFF and A. WILLIS, D(p, 2p)n reaction at 155 MeV and comparison with the first order impulse approximation **A129** (1969) 177
MUKHERJEE, I., *see* MUKHERJEE **A129** (1969) 535
MUKHERJEE, P., K. V. CHALAPATI RAO and I. MUKHERJEE, Particle-core states in ^{207}Pb **A129** (1969) 535
MUKHERJI, S., Nuclear charge distribution in fission **A129** (1969) 297
MÜLLER, H., *see* GURATZSCH **A129** (1969) 405
NEAMU, I., *see* CHRISTENSEN **A129** (1969) 337
NIEBERGALL, F., *see* BÜSSER **A129** (1969) 666
NILSSON, B., Inclusion of a P_4-term in the deformed shell-model potential . . . **A129** (1969) 445
OTOZAI, K., *see* MITO **A129** (1969) 165
PACATI, F. D., *see* BOFFI **A129** (1969) 673
PETITJEAN, C., L. BROWN and R. G. SEYLER, Polarization and phase shifts in ^{6}Li(p, p)^{6}Li from 0.5 to 5.6 MeV **A129** (1969) 209
PINAJIAN, J. J., *see* KELLER **A129** (1969) 481
PINGOT, O., Polarisation circulaire du rayonnement gamma du ^{46}Sc **A129** (1969) 270
PLASTINO, A., *see* ABECASIS **A129** (1969) 434
REID, P. G. E., M. ŠOTT and N. J. STONE, A study of the magnetic dipole moments of ^{192}Ir and ^{194}Ir and the decay scheme of ^{192}Ir by nuclear orientation . . . **A129** (1969) 273
RIESS, F., *see* ROLFS **A129** (1969) 231
ROBINSON, R. L., *see* MILNER **A129** (1969) 687
ROLFS, C. and W. TROST, On the spin of the 3.32 MeV state in ^{26}Si **A129** (1969) 205
ROLFS, C., W. TROST, E. KUHLMANN, R. KRÄMER and F. RIESS, Study on the low-lying states of ^{21}Na **A129** (1969) 231
RÖSCHERT, G., *see* FUCHS **A129** (1969) 545
ROUSSEL, P., *see* BRUGE **A129** (1969) 417
SAUER, P. U., *see* FAESSLER **A129** (1969) 21
SAYER, R. O., *see* MILNER **A129** (1969) 687
SCHMIDT-ROHR, U., *see* WAGNER **A129** (1969) 469
SCHULZ, N., *see* GORODETZKY **A129** (1969) 129
SCIENTEI, N., *see* CHRISTENSEN **A129** (1969) 337
SEYLER, R. G., *see* PETITJEAN **A129** (1969) 209
SINGH, B., R. J. COX, A. H. KUKOČ, J. D. KING and H. W. TAYLOR, A study of the gamma rays emitted by ^{97}Nb **A129** (1969) 104
SINRAM, K., *see* BÜSSER **A129** (1969) 666
ŠOTT, M., *see* REID **A129** (1969) 273
STELSON, P. H., *see* MILNER **A129** (1969) 687
STILLER, G., *see* GURATZSCH **A129** (1969) 405
STONE, N. J., *see* REID **A129** (1969) 273
SWAN, P., The existence of single-channel scattering resonances **A129** (1969) 156
TATISCHEFF, B., *see* MORLET **A129** (1969) 177
TAYLOR, H. W., *see* SINGH **A129** (1969) 104
THURIERE, E., *see* CONJEAUD **A129** (1969) 10
TROST, W., *see* ROLFS **A129** (1969) 205
TROST, W., *see* ROLFS **A129** (1969) 231
TULINOV, A. F., *see* DOLINOV **A129** (1969) 577
TULINOV, A. F., *see* DOLINOV **A129** (1969) 597
TUREK, P., *see* WAGNER **A129** (1969) 469

VALENTIN, L., *see* BRUGE **A129** (1969) 417
VAN RINSVELT, H. A., *see* WELLER **A129** (1969) 64
VEDELSBY, P., *see* ELLEGAARD **A129** (1969) 113
WAGNER, G. J., G. TH. KASCHL, G. MAIRLE, U. SCHMIDT-ROHR and P. TUREK, Levels of ^{39}Cl studied by the ^{40}Ar(d, ^{3}He)^{39}Cl reaction at 52 MeV **A129** (1969) 469
WELLER, H. R. and H. A. VAN RINSVELT, Study of ^{15}O by means of ^{3}He+^{12}C reactions **A129** (1969) 64
WILLIAMS, S. A., *see* DRAAYER **A129** (1969) 647
WILLIS, A., *see* MORLET **A129** (1969) 177
WOLTER, H. H., *see* FAESSLER **A129** (1969) 21
YOSHIDA, H., *see* KAMMURI **A129** (1969) 625
ZAMICK, L., *see* GOODE **A129** (1969) 81
ZGANJAR, E. F., *see* KELLER **A129** (1969) 481
ZURMÜHLE, R. W. and C. M. FOU, Optical-potential parameters for ^{3}He **A129** (1969) 502
ZURMÜHLE, R. W., *see* FOU **A129** (1969) 138

SUBJECT INDEX

1. Nuclear Structure

1.C *Many-particle systems*

Self-consistency and pairing as causes for the energy gap in the nuclei ^{56}Fe, ^{72}Ge and ^{78}Se, A. Faessler, P. U. Sauer and H. H. Wolter. . **A129** (1969) 21

On a unified many-body theory of the DWBA and of the optical model, D. Gross **A129** (1969) 45

1.D *Nuclear models*

1.D.1 *Shell model*

Core polarization effects on electromagnetic transition operators, A. E. L. Dieperink and P. J. Brussaard **A129** (1969) 33

Inclusion of a P_4-term in the deformed shell-model potential, B. Nilsson **A129** (1969) 445

Two-nucleon transfer reactions and parity mixing in single-particle orbitals, S. Boffi and F. D. Pacati **A129** (1969) 673

1.D.2 *Collective model*

Projected Hartree-Fock method and stretch scheme energy levels of ^{44}Ti, S. B. Khadkikar and B. Banerjee **A129** (1969) 220

Features of the Davydov model, S. M. Abecasis, H. E. Bosch and A. Plastino **A129** (1969) 434

Particle-core states in ^{207}Pb, P. Mukherjee, K. V. Chalapati Rao and I. Mukherjee **A129** (1969) 535

Nuclear curvature energy from threshold energies, H. v. Groote and E. Hilf **A129** (1969) 513

1.D.3 *Other models*

Transition rates in phonon-particle coupled nuclei, P. Goode and L. Zamick **A129** (1969) 81

Coupling coefficients and matrix elements of arbitrary tensors in the Elliott projected angular momentum basis, J. P. Draayer and S. A. Williams **A129** (1969) 647

1.E *Properties of nuclei*

1.E.1 *Energy levels*

A study of the gamma rays emitted by ^{97}Nb, B. Singh, R. J. Cox, A. H. Kukoč, J. D. King and H. W. Taylor. **A129** (1969) 104

Spectroscopy of the $N = 27$ doubly odd nuclei through the J-dependence of the (^{3}He, t) reaction, G. Bruge, A. Bussiere, H. Faraggi, P. Kossanyi-Demay, J. M. Loiseaux, P. Roussel and L. Valentin **A129** (1969) 417

Precision gamma-ray spectroscopy on the decay of ^{168}Tm, G. E. Keller, E. F. Zganjar and J. J. Pinajian **A129** (1969) 501

1.E.3 *Electric and magnetic moments*

A study of the magnetic dipole moments of ^{192}Ir and ^{194}Ir and the decay scheme of ^{192}Ir by nuclear orientation, P. G. E. Reid, M. Šott and N. J. Stone **A129** (1969) 273

1.E.4 *Transition probabilities; cross sections*

Réaction (d, ^{3}He) sur les isotopes doublement pair de l'étain, M. Conjeaud, S. Harar et E. Thuriere **A129** (1969) 10
Durées de vie dans ^{17}O, ^{39}K et ^{45}Ca par une technique de coïncidences particule-gamma, S. Gorodetzky, J. C. Merdinger, N. Schulz et A. Knipper **A129** (1969) 129
Gamow-Teller β-decays and M1 γ-rays in $A = 4N+2$ nuclei, R. W. Kavanagh **A129** (1969) 172
Spectroscopy of the $N = 27$ doubly odd nuclei through the J-dependence of the (^{3}He, t) reaction, G. Bruge, A. Bussiere, H. Faraggi, P. Kossanyi-Demay, J. M. Loiseaux, P. Roussel and L. Valentin **A129** (1969) 417

2. Nuclear Reactions

2.A *General properties*

2.A.1 *Cross sections, energy relations*

^{48}Ca(^{3}He, ^{3}He)^{48}Ca and ^{43}Ca(^{3}He, α)^{47}Ca reactions at 15 MeV, C. M. Fou and R. W. Zurmühle **A129** (1969) 138
Excitation functions for the (d, p) reactions on ^{96}Ru, ^{102}Ru and ^{104}Ru, A. Mito, K. Komura, T. Mitsugashira and K. Otozai **A129** (1969) 165

2.B *Angular distributions, correlations; polarization*

Polarization and phase shifts in ^{6}Li(p, p)^{6}Li from 0.5 to 5.6 MeV, C. Petitjean, L. Brown and R. G. Seyler **A129** (1969) 209
Study on the low-lying states of ^{21}Na, C. Rolfs, W. Trost, E. Kuhlmann, R. Krämer and F. Riess **A129** (1969) 231
Sequential decay in the reactions ^{14}N(α, αp)^{13}C and ^{14}N(α, αd)^{12}C at $E_\alpha = 22.9$ MeV, K. Bähr, T. Becker, R. Jahr and W. R. Kuhlmann **A129** (1969) 388
Investigation of states in ^{40}Ca by the ^{39}K(d, n) reaction, H. Fuchs, K. Grabisch and G. Röschert **A129** (1969) 545

2.C *Resonance reactions; S-matrix theory*

Study of ^{15}O by means of ^{3}He+^{12}C reactions, H. R. Weller and H. A. van Rinsvelt **A129** (1969) 64
The existence of single-channel scattering resonances, P. Swan . . . **A129** (1969) 156
Approximation de la partie hors de la couche d'énergie de la matrice t, F. Gomez-Gimeno **A129** (1969) 615

2.E *Optical model*

Polarization of spin-$\frac{1}{2}$ particles elastically scattered by strongly absorbing targets, A. Y. Abul-Magd **A129** (1969) 331
Optical-potential parameters for ^{3}He, R. W. Zurmühle and C. M. Fou **A129** (1969) 502

2.F *Direct interaction (other than stripping)*

Study of the approximations used in calculations on the (p, 2p) reaction, B. K. Jain **A129** (1969) 145
On the spin of the 3.32 MeV state in ^{26}Si, C. Rolfs and W. Trost . . **A129** (1969) 205
The (n, 2n) cross section of ^{9}Be in the energy region 2.0–6.4 MeV, M. Holmberg and J. Hansén **A129** (1969) 305

The (n, 2n) cross section of ^{2}H in the energy region 4.0–6.5 MeV, M. Holmberg **A129** (1969) 327
Spectroscopy of the $N = 27$ doubly odd nuclei through the J-dependence of the (^{3}He, t) reaction, G. Bruge, A. Bussiere, H. Faraggi, P. Kossanyi-Demay, J. M. Loiseaux, P. Roussel and L. Valentin . . **A129** (1969) 417
The (α, 2α) reaction on ^{6}Li, ^{7}Li, ^{9}Be and ^{12}C(I). Experimental data, V. K. Dolinov, Yu. V. Melikov, A. F. Tulinov and O. V. Bormot **A129** (1969) 577
The (α, 2α) reaction on ^{6}Li, ^{7}Li, ^{9}Be and ^{12}C (II). Theory, V. K. Dolinov, D. V. Meboniya and A. F. Tulinov **A129** (1969) 597
Two-nucleon transfer reactions and parity mixing in single-particle orbitals, S. Boffi and F. D. Pacati **A129** (1969) 673

2.G *Stripping and pick-up*

Study of $N = 82$ nuclei in the reaction ^{142}Nd(d, ^{3}He)^{141}Pr, H. W. Baer and J. Bardwick **A129** (1969) 1
Réaction (d, ^{3}He) sur les isotopes doublement pair de l'étain, M. Conjeaud, S. Harar et E. Thuriere **A129** (1969) 10
Particle-vibration coupling in ^{209}Pb, C. Ellegaard, J. Kantele and P. Vedelsby **A129** (1969) 113
^{48}Ca(^{3}He, ^{3}He)^{48}Ca and ^{43}Ca(^{3}He, α)^{47}Ca reactions at 15 MeV, C. M. Fou and R. W. Zurmühle **A129** (1969) 138
Excitation functions for the (d, p) reactions on ^{96}Ru, ^{102}Ru and ^{104}Ru, A. Mito, K. Komura, T. Mitsugashira and K. Otozai . . **A129** (1969) 165
The S′ state in the tri-nucleon and nucleon-transfer reactions, T. K. Lim **A129** (1969) 259
Levels of ^{39}Cl studied by the ^{40}Ar(d, ^{3}He)^{39}Cl reaction at 52 MeV, G. J. Wagner, G. Th. Kaschl, G. Mairle, U. Schmidt-Rohr and P. Turek **A129** (1969) 469

2.H *Coulomb excitation*

Coulomb excitation of the even-A cadmium nuclei, W. T. Milner, F. K. McGowan, P. H. Stelson, R. L. Robinson and R. O. Sayer . **A129** (1969) 687

2.J *Fission and spallation*

On a simple model explanation of shell effects in nuclear fission, F. Dickmann and K. Dietrich **A129** (1969) 241
Nuclear charge distribution in fission, S. Mukherji **A129** (1969) 297

2.L *Scattering processes (except two-nucleon system and meson scattering)*

D(p, 2p)n reaction at 155 MeV and comparison with the first order impulse approximation, M. Morlet, R. Frascaria, B. Geoffrion, N. Marty, B. Tatischeff and A. Willis **A129** (1969) 177
Corrections à l'approximation d'impulsion dans la réaction D(p, 2p)n à 155 MeV, M. l'Huillier **A129** (1969) 196
Elastic scattering of 12 MeV deuterons on even rare-earth nuclei, P. R. Christensen, A. Berinde, I. Neamu and N. Scintei **A129** (1969) 337
Elastic scattering of high-energy electrons and correlation structure of light nuclei, C. Ciofi degli Atti. **A129** (1969) 350
Quasi-elastic high-energy electron scattering on light nuclei, V. V. Balashov, N. M. Kabachnik and V. I. Markov. **A129** (1969) 369
A study of proton scattering on ^{12}C and ^{13}C at 7 MeV, H. Guratzsch, G. Hofmann, H. Müller and G. Stiller **A129** (1969) 405

DWBA analysis of the heavy ion induced transfer reaction, T. Kammuri and H. Yoshida **A129** (1969) 625
Scattering of polarized neutrons by ^{3}He, F. W. Büsser, H. Dubenkropp, F. Niebergall and K. Sinram **A129** (1969) 666

3. Electromagnetic Radiation

3.A *Gamma radiation*

A study of the gamma rays emitted by ^{97}Nb, B. Singh, R. J. Cox, A. H. Kukoč, J. D. King and H. W. Taylor **A129** (1969) 104
Particle-vibration coupling in ^{209}Pb, C. Ellegaard, J. Kantele and P. Vedelsby **A129** (1969) 113
Gamow-Teller β-decays and M1 γ-rays in $A = 4N+2$ nuclei, R. W. Kavanagh **A129** (1969) 172
Polarisation circulaire du rayonnement gamma du ^{46}Sc, O. Pingot . **A129** (1969) 270
A study of the magnetic dipole moments of ^{192}Ir and ^{194}Ir and the decay scheme of ^{192}Ir by nuclear orientation, P. G. E. Reid, M. Šott and N. J. Stone **A129** (1969) 273
Precision gamma-ray spectroscopy on the decay of ^{168}Tm, G. E. Keller, E. F. Zganjar and J. J. Pinajian **A129** (1969) 501

5. Alpha Decay

Alpha decay of the thermal neutron capture state of ^{156}Gd, K. Beg and R. D. MacFarlane **A129** (1969) 571
The cluster structure of alpha-particle nuclei, A. Y. Abul-Magd . . **A129** (1969) 610